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	Application No.	Applicant(s)
Nation of Allowskiller	10/806,674	CHEN ET AL.
Notice of Allowability	Examiner	Art Unit
v .	Tuan C To	3663
The MAILING DATE of this communication appearance All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85) NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RI of the Office or upon petition by the applicant. See 37 CFR 1.313	(OR REMAINS) CLOSED in this ap or other appropriate communication IGHTS. This application is subject to	plication. If not included n will be mailed in due course. THIS
1. This communication is responsive to <u>03/23/2004</u> .		
2. The allowed claim(s) is/are <u>1-28</u> .		1
3. The drawings filed on 23 March 2004 are accepted by the	Examiner.	
4. ☐ Acknowledgment is made of a claim for foreign priority una) ☐ All b) ☐ Some* c) ☐ None of the: 1. ☐ Certified copies of the priority documents have 2. ☐ Certified copies of the priority documents have 3. ☐ Copies of the certified copies of the priority documents have International Bureau (PCT Rule 17.2(a)). * Certified copies not received: ☐ Applicant has THREE MONTHS FROM THE "MAILING DATE" noted below. Failure to timely comply will result in ABANDONM THIS THREE-MONTH PERIOD IS NOT EXTENDABLE. 5. ☐ A SUBSTITUTE OATH OR DECLARATION must be subm INFORMAL PATENT APPLICATION (PTO-152) which give 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") mus (a) ☐ including changes required by the Notice of Draftspers 1) ☐ hereto or 2) ☐ to Paper No./Mail Date ☐ (b) ☐ including changes required by the attached Examiner's Paper No./Mail Date ☐ Identifying indicia such as the application number (see 37 CFR 1. each sheet. Replacement sheet(s) should be labeled as such in the deposit attached Examiner's comment regarding REQUIREMENT (attached Examiner's comment (attach	e been received. e been received in Application No cuments have been received in this of this communication to file a reply IENT of this application. itted. Note the attached EXAMINER es reason(s) why the oath or declara it be submitted. it on's Patent Drawing Review (PTO s Amendment / Comment or in the Co 84(c)) should be written on the drawing the header according to 37 CFR 1.121(c) sit of BIOLOGICAL MATERIAL r	national stage application from the complying with the requirements 'S AMENDMENT or NOTICE OF ation is deficient. 948) attached Office action of the back) of d). must be submitted. Note the
Attachment(s) 1. ☑ Notice of References Cited (PTO-892) 2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948) 3. ☑ Information Disclosure Statements (PTO-1449 or PTO/SB/0 Paper No./Mail Date 03/23/2004 4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	6. ☐ Interview Summary Paper No./Mail Dal 8), 7. ☑ Examiner's Amendr	te ment/Comment
		Sure. Ghos

Application/Control Number: 10/806,674

Art Unit: 3663

EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

According to MPEP, 608.01(b), "the abstract should be in narrative form and generally limited to a single paragraph on a separate sheet within the range of 50 to 150 words. It is important that the abstract not exceed 150 words in length since the space provided for the abstract on the computer tape used by the printer is limited".

Authorization for this examiner's amendment was given in a telephone interview with Authorization for this examiner's amendment was given in a telephone interview with Marra Kathryn on 08/16/2004.

In the abstract, "The cutoff frequency is preferably selected to be the minimum frequency content associated with the FFT. A reset logic module clears an output of the limited-frequency integrator when a first condition occurs. The first condition is one of a straight-driving condition, a speed condition, and a sensor bias condition. The estimated side-slip velocity is compared to a desired side-slip velocity to produce a side-slip control signal The side-slip control signal is combined with a yaw rate control signal to produce an actuator control signal. The actuator control signal is received by one of at least one brake actuator and a rear-wheel steering actuator to create a yaw moment to correct a dynamic behavior of the vehicle" has been deleted.

Application/Control Number: 10/806,674

Art Unit: 3663

EXAMINER'S STATEMENT OF REASONS FOR ALLOWANCE

This communication is an Examiner's reasons for allowance in response to application filed on 03/23/2004, assigned serial 10/806,674 and titled "Vehicle Stability Enhancement Control and Method."

The following is the Examiner's statement of reasons for the indication of allowable subject matter:

The prior art searching has been performed during the prosecution, however, none of the references has been found discloses or fairly suggests a side slip velocity estimation module for a vehicle stability enhancement control system/method that comprising "a limited-frequency integrator that integrates the estimated side-slip acceleration to determine an estimated side-slip velocity of the vehicle, said limited frequency integrator having a feedback loop, the feedback loop comprising a cutoff frequency; wherein the cutoff frequency is determined in relation to a speed of the vehicle and the estimated side-slip acceleration"

The examiner has recognized some prior art that are related to the system/method as said but do not disclose the limitation as stated above.

The reference to Banno et al. (U.S. '864A1) discloses a behavior control device for a vehicle that includes the teaching of side slip acceleration Vyd as shown in figure 2 of Banno et al, however, Banno et al. do not disclose a limited frequency integrator as recited in the independent claims of the present invention.

Art Unit: 3663

The reference to Akitaka (U.S. '920B1) is directed to a system for estimating a side-slip angle for a vehicle and monitoring the motion state of the vehicle. The side-slip angle is estimated by calculating side slip angular velocity on the basic of vehicle speed, lateral acceleration, and yaw rate. It is found that the reference to Akitaka does not disclose the limitation as stated above.

The examiner has found none of the references, either alone or in a combination, teaches or suggests the features as stated above. The prior art does not contain any teaching that would lead a skilled person to modify the closest prior and thereby arrive at the invention. Therefore, the claimed invention is now patentable over the cited prior art.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Tuan C To whose telephone number is (703) 308-6273. The examiner can normally be reached on from 8:00AM to 5:00PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Black can be reached on (703) 305-8233.

The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

THOMAS G. BLACK ANNINE!

CUPERVISORY GROUP

Application/Control Number: 10/806,674

Art Unit: 3663

Page 5

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

· /tc

August 14, 2004

THON AS G. BLACK PATENT EXAMINATE OF PATENT SEASON GROUP 3600